

1 Detecting Recessive Diseases in Inbred Populations

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4 ABSTRACT OF THE DISCLOSURE

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6 Techniques of using statistical analysis of genetic data to determine likely mark-
7 ers for a recessive genetic disease or trait. One embodiment of these techniques includes the
8 steps of obtaining actual genotype data for one or more affected people with the genetic disease
9 or trait in a population, obtaining estimated genotype data for the population, and analyzing the
10 actual and estimated genotype data to find a region in genomes of the affected people that in-
11 cludes markers exhibiting particular homozygous pairs of alleles more frequently than would oc-
12 cur randomly.